



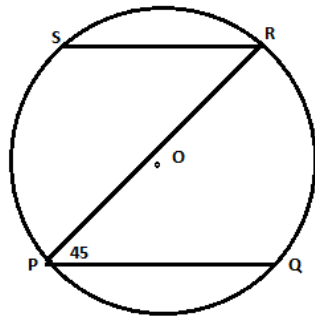
GMAT

Quant Section Test

[GEOMETRY]

- Questions

1.



The circle above has radius 4, and PQ is parallel to SR . If the length of arc PQ is twice the length of arc SR , what is the length of arc SR ?

- A. 2π
- B. $8\pi/3$
- C. 3π
- D. $4\pi/3$
- E. $16\pi/3$

2. A rectangle has a perimeter of 96 inches. What are the dimensions of the rectangle?

- (1) The area of rectangle is 572 square inches.
- (2) The width is 4 inches shorter than the length.

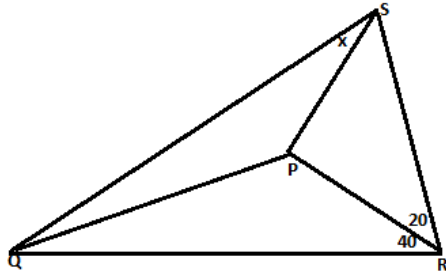
- A. Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked.
- B. Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.
- C. Both statements 1 and 2 together are sufficient to answer the question but neither statement is sufficient alone.
- D. Each statement alone is sufficient to answer the question.
- E. Statements 1 and 2 are not sufficient to answer the question asked and additional data is needed to answer the statements.

3. What is the volume of rectangular solid P?

- (1) Surface area of one of the faces is 48.
- (2) Length of one of the edges is 3.

- A. Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked.
- B. Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.
- C. Both statements 1 and 2 together are sufficient to answer the question but neither statement is sufficient alone.
- D. Each statement alone is sufficient to answer the question.
- E. Statements 1 and 2 are not sufficient to answer the question asked and additional data is needed to answer the statements.

4.



In the figure above, $PQ=PS=PR$. What is the value of x ?

- A. 30
- B. 50
- C. 70
- D. 90
- E. 120

5. A cube has length a , a surface area b , and a volume c . Which of the following must be true?

- A. $\frac{ab}{c} - \frac{b}{a} = 0$
- B. $\frac{a^2b}{c} - \frac{b}{a} = 0$
- C. $\frac{ac}{a^2b} - \frac{a^2}{ab} = 0$
- D. $\frac{a\sqrt{b}}{\sqrt{c}} - \frac{a^2}{b} = 0$
- E. $\frac{\sqrt{c}}{ab} - \frac{\sqrt{b}}{a^2} = 0$

BYJU'S - GMAT

Plot No.23, Indraprastha Equinox, 100 Feet Rd, Venkappa Garden,
Koramangala, Bengaluru, Karnataka 56009

☎ 088845 44444 ✉ gmtat@byjus.com 🌐 <https://byjus.com/gmat>

© 2019, BYJU'S. All Rights Reserved.